

7-31-12

METRICS

K H D b d c m

Length - meter - arm span
ht. of door knob
width of a door
a few in. more than a yd.

cm - pinky width

mm - thickness of a dime

km - .621 mi (a little more
than $\frac{1}{2}$ a mile)

Capacity - liter

Weight - gram

g - paper clip

kg - 2.2 lbs

Metric Conversions

* * Multiply or divide by powers of 10
Multiply when going from lg. to sm. units
→

Divide when going from sm. to lg. units
←

Ex: $5 \text{ km} = \underline{5000} \text{ m}$

K H D b d cm

↑ → ↑

$$5 \times 10^3 = 5000$$

Ex: $9,647 \text{ mg} = \underline{\hspace{2cm}} \text{ kg}$

K H D b d cm

↑ ← ↑

$$9,647 \div 10^6 = .009647$$

Ex: $6.043 \text{ kL} = \underline{60,430} \text{ dL}$
 6.043×10^4